

Maurizio Remelli

List of Publications by Year in descending order

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86
papers

3,051
citations

147566

31
h-index

174990

52
g-index

89
all docs

89
docs citations

89
times ranked

2950
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper, zinc and iron in neurodegenerative diseases (Alzheimer's, Parkinson's and prion diseases). Coordination Chemistry Reviews, 2012, 256, 2129-2141.	9.5	354
2	Iron chelating agents for the treatment of iron overload. Coordination Chemistry Reviews, 2008, 252, 1225-1240.	9.5	141
3	Interaction Of The Human Prion PrP(106-126) Sequence With Copper(II), Manganese(II), And Zinc(II): NMR and EPR Studies. Journal of the American Chemical Society, 2005, 127, 996-1006.	6.6	127
4	Metallacrowns of copper(II) and aminohydroxamates: Thermodynamics of self assembly and host-guest equilibria. Coordination Chemistry Reviews, 2012, 256, 289-315.	9.5	118
5	Potentiometric, spectrophotometric and calorimetric study on iron(III) and copper(II) complexes with 1,2-dimethyl-3-hydroxy-4-pyridinone. Journal of Inorganic Biochemistry, 2008, 102, 684-692.	1.5	95
6	Chelating agents for human diseases related to aluminium overload. Coordination Chemistry Reviews, 2012, 256, 89-104.	9.5	95
7	Stochastic Theory of Multiple-Site Linear Adsorption Chromatography. Analytical Chemistry, 1999, 71, 3453-3462.	3.2	71
8	The characteristic function method in the stochastic theory of chromatography. The Journal of Physical Chemistry, 1986, 90, 1885-1891.	2.9	68
9	Prion proteins and copper ions. Biological and chemical controversies. Dalton Transactions, 2010, 39, 6371.	1.6	65
10	Copper Binding to the Neurotoxic Peptide PrP106-126: Thermodynamic and Structural Studies. ChemBioChem, 2004, 5, 349-359.	1.3	63
11	Specific metal ion binding sites in unstructured regions of proteins. Coordination Chemistry Reviews, 2013, 257, 2625-2638.	9.5	63
12	Evaluation of the number of components in multi-component liquid chromatograms of plant extracts. Analytica Chimica Acta, 1986, 191, 261-273.	2.6	62
13	Structural and Dynamic Characterization of Copper(II) Binding of the Human Prion Protein Outside the Octarepeat Region. Chemistry - A European Journal, 2007, 13, 1991-2001.	1.7	60
14	Iron(III) and aluminum(III) complexes with hydroxypyron ligands aimed to design kojic acid derivatives with new perspectives. Journal of Inorganic Biochemistry, 2010, 104, 560-569.	1.5	55
15	Stochastic-Dispersive Theory of Chromatography. Analytical Chemistry, 1999, 71, 4472-4479.	3.2	54
16	Human diseases related to aluminium overload. Monatshefte für Chemie, 2011, 142, 331-340.	0.9	53
17	His-rich sequences "is plagiarism from nature a good idea?". New Journal of Chemistry, 2013, 37, 58-70.	1.4	50
18	Cull binding sites located at His-96 and His-111 of the human prion protein: thermodynamic and spectroscopic studies on model peptides. Dalton Transactions, 2008, , 5207.	1.6	49

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19	Deferoxamine B: A Natural, Excellent and Versatile Metal Chelator. <i>Molecules</i> , 2021, 26, 3255.	1.7	49
20	Stochastic theory of size exclusion chromatography by the characteristic function approach. <i>Journal of Chromatography A</i> , 2002, 943, 185-207.	1.8	46
21	Copper complexes of glycyl-histidyl-lysine and two of its synthetic analogues: chemical behaviour and biological activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1526, 199-210.	1.1	45
22	Kojic acid derivatives as powerful chelators for iron(iii) and aluminium(iii). <i>Dalton Transactions</i> , 2011, 40, 5984.	1.6	44
23	The composition of PM 1 and PM 2.5 samples, metals and their water soluble fractions in the Bologna area (Italy). <i>Atmospheric Pollution Research</i> , 2015, 6, 708-718.	1.8	44
24	Copper(ii) 12-metallacrown-4 complexes of $\hat{1}\pm$ -, $\hat{1}^2$ - and $\hat{1}^3$ -aminohydroxamic acids: a comparative thermodynamic study in aqueous solution. <i>Dalton Transactions</i> , 2008, , 2693.	1.6	40
25	Thermodynamics of Self-Assembly of Copper(II) 15-Metallacrown-5 of Eu(III) or Gd(III) with (S)- $\hat{1}\pm$ -Alaninehydroxamic Acid in Aqueous Solution. <i>Inorganic Chemistry</i> , 2010, 49, 1761-1772.	1.9	40
26	Competition between Cd(II) and other divalent transition metal ions during complex formation with amino acids, peptides, and chelating agents. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 55-69.	9.5	39
27	The role of His-50 of $\hat{1}\pm$ -synuclein in binding Cu(ii): pH dependence, speciation, thermodynamics and structure. <i>Metallomics</i> , 2011, 3, 292.	1.0	38
28	Copper(II) complexes with l-lysine and l-ornithine: is the side-chain involved in the coordination?. <i>Thermochimica Acta</i> , 2000, 362, 13-23.	1.2	35
29	Non-covalent interactions in thermodynamic stereoselectivity of mixed-ligand copper(II)-D- or L-histidine complexes with L-amino acids. A possible model of metal ion-assisted molecular recognition. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 2095.	1.1	34
30	Monte Carlo Model of Nonlinear Chromatography. <i>Analytical Chemistry</i> , 2000, 72, 4353-4362.	3.2	33
31	Unexpected impact of the number of glutamine residues on metal complex stability. <i>Metallomics</i> , 2013, 5, 214.	1.0	33
32	Binding and Reactivity of Copper to R_{1} and R_{3} Fragments of tau Protein. <i>Inorganic Chemistry</i> , 2020, 59, 274-286.	1.9	33
33	Study of retention, efficiency and selectivity in chiral ligand-exchange chromatography with a dynamically coated stationary phase. <i>Journal of Chromatography A</i> , 1997, 761, 79-89.	1.8	32
34	Synthesis, Solution Thermodynamics, and X-ray Study of CuII [12]Metallacrown-4 with GABA Hydroxamic Acid: An Unprecedented Crystal Structure of a [12]MC-4 with a $\hat{1}^3$ -Aminohydroxamate. <i>Chemistry - A European Journal</i> , 2007, 13, 1300-1308.	1.7	32
35	Stochastic theory of two-site adsorption chromatography by the characteristic function method. <i>Journal of Separation Science</i> , 1997, 9, 295-302.	1.0	31
36	Interaction of divalent cations with peptide fragments from Parkinson's disease genes. <i>Dalton Transactions</i> , 2013, 42, 5964-5974.	1.6	30

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37	Copper and nickel complex-formation equilibria with Lys-Gly-His-Lys, a fragment of the matricellular protein SPARC. <i>Polyhedron</i> , 2002, 21, 1469-1474.	1.0	29
38	Different approaches to the study of chelating agents for iron and aluminium overload pathologies. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 585-601.	1.9	29
39	The Coordination of Ni ^{II} and Cu ^{II} Ions to the Polyhistidyl Motif of Hpn Protein: Is It as Strong as We Think?. <i>Chemistry - A European Journal</i> , 2012, 18, 11088-11099.	1.7	28
40	Cu(ii) ion coordination to the pentadecapeptide model of the SPARC copper-binding site. <i>Dalton Transactions RSC</i> , 2002, , 3939.	2.3	26
41	Unexpected formation of a copper(ii) 12-metallacrown-4 with (S)-glutamic- ¹³ -hydroxamic acid: a thermodynamic and spectroscopic study in aqueous solution. <i>Dalton Transactions</i> , 2004, , 1329-1333.	1.6	26
42	The unusual metal ion binding ability of histidyl tags and their mutated derivatives. <i>Dalton Transactions</i> , 2016, 45, 5629-5639.	1.6	26
43	The unusual binding mechanism of Cu(ⁱⁱ) ions to the poly-histidyl domain of a peptide found in the venom of an African viper. <i>Dalton Transactions</i> , 2014, 43, 16680-16689.	1.6	25
44	Copper-ion interaction with the 106-113 domain of the prion protein: a solution-equilibria study on model peptides. <i>Dalton Transactions</i> , 2005, , 2876.	1.6	24
45	Metallacrowns of Ni(ii) with \pm -aminohydroxamic acids in aqueous solution: beyond a 12-MC-4, an unexpected (vacant?) 15-MC-5. <i>Dalton Transactions</i> , 2011, 40, 2491-2501.	1.6	24
46	HPTLC separation of aromatic \pm -amino acid enantiomers on a new histidine-based stationary phase using ligand exchange. <i>Chromatographia</i> , 1991, 32, 278-284.	0.7	23
47	The complex-formation behaviour of His residues in the fifth Cu ²⁺ binding site of human prion protein: a close look. <i>New Journal of Chemistry</i> , 2009, 33, 2300.	1.4	23
48	Thermodynamic and spectroscopic investigation on the role of Met residues in Cull binding to the non-octarepeat site of the human prion protein. <i>Metallomics</i> , 2012, 4, 794.	1.0	22
49	Lights and Shadows on the Therapeutic Use of Antimicrobial Peptides. <i>Molecules</i> , 2022, 27, 4584.	1.7	22
50	Characterization of extracolumn and concentration-dependent distortion of chromatographic peaks by Edgeworth-Cram \AA r series. <i>Journal of Chromatography A</i> , 1984, 315, 67-73.	1.8	20
51	Copper complexes of dipeptides with l-Lys as C-terminal residue: a thermodynamic and spectroscopic study. <i>Polyhedron</i> , 2000, 19, 2409-2419.	1.0	20
52	The possible role of Gly residues in the prion octarepeat region in the coordination of Cu ²⁺ ions. <i>Dalton Transactions</i> , 2003, , 619-624.	1.6	20
53	Cu(ii) ion coordination to SPARC: a model study on short peptide fragments. <i>New Journal of Chemistry</i> , 2003, 27, 245-250.	1.4	18
54	Fluidic and syringe injection study by peak shape analysis. <i>Analytical Chemistry</i> , 1989, 61, 1489-1493.	3.2	17

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55	The peculiar behavior of Picha in the formation of metallacrown complexes with Cu(<i>ii</i>), Ni(<i>ii</i>) and Zn(<i>ii</i>) in aqueous solution. Dalton Transactions, 2015, 44, 3237-3250.	1.6	17
56	Bioinorganic chemistry of calcitermin – the picklock of its antimicrobial activity. Dalton Transactions, 2019, 48, 13740-13752.	1.6	17
57	Copper(ii) coordination outside the tandem repeat region of an unstructured domain of chicken prion protein. Molecular BioSystems, 2009, 5, 497.	2.9	16
58	Manganism and Parkinson's disease: Mn(<i>ii</i>) and Zn(<i>ii</i>) interaction with a 30-amino acid fragment. Dalton Transactions, 2016, 45, 5151-5161.	1.6	16
59	Exploiting thermodynamic data to optimize the enantioseparation of underivatized amino acids in ligand exchange capillary electrophoresis. Analytical and Bioanalytical Chemistry, 2013, 405, 951-959.	1.9	15
60	Binary and ternary copper(II) complexes of Ni ^{II} ,- and Ni ^{II} -methyl-L-histidine in aqueous solution. Journal of the Chemical Society Dalton Transactions, 1994, , 2049-2056.	1.1	14
61	Ni(II) complexes of dipeptides: a thermodynamic and spectroscopic study. Polyhedron, 2001, 20, 615-621.	1.0	13
62	The unusual stabilization of the Ni ²⁺ and Cu ²⁺ complexes with NSF ₂ RY. Dalton Transactions, 2013, 42, 448-458.	1.6	13
63	Formation equilibria of nickel complexes with glycyl-histidyl-lysine and two synthetic analogues. Journal of Inorganic Biochemistry, 2004, 98, 153-160.	1.5	12
64	Zn(II) and Ni(II) complexes with poly-histidyl peptides derived from a snake venom. Inorganica Chimica Acta, 2018, 472, 149-156.	1.2	12
65	Stoichiometric diversity of Ni(ii) metallacrowns with β -alaninehydroxamic acid in aqueous solution. Dalton Transactions, 2013, 42, 8018.	1.6	11
66	Cull Ion Coordination to an Unprotected Pentadecapeptide Containing Two His Residues: Competition Between the Terminal Amino and the Side-Chain Imidazole Nitrogen Donors. European Journal of Inorganic Chemistry, 2003, 2003, 1694-1702.	1.0	10
67	Thermodynamic and spectroscopic study of Cu(<i>ii</i>) and Zn(<i>ii</i>) complexes with the (148–156) peptide fragment of C4YJH2, a putative metal transporter of <i>Candida albicans</i> . Metallomics, 2019, 11, 1988-1998.	1.0	10
68	Novel insights into the metal binding ability of ZinT periplasmic protein from Escherichia coli and Salmonella enterica. Dalton Transactions, 2020, 49, 9393-9403.	1.6	10
69	Peak-shape analysis and noise evaluation in suppressed ion chromatography for ultra-trace ion analysis. Journal of Chromatography A, 1991, 556, 249-262.	1.8	9
70	Dilution enthalpies of alkanols in concentrated aqueous solutions of urea at 25 $\frac{1}{2}$ C. Journal of Solution Chemistry, 1993, 22, 695-706.	0.6	9
71	How Zinc-Binding Systems, Expressed by Human Pathogens, Acquire Zinc from the Colonized Host Environment: A Critical Review on Zincophores. Current Medicinal Chemistry, 2021, 28, 7312-7338.	1.2	9
72	Zn ²⁺ and Cu ²⁺ Binding to the Extramembrane Loop of Zrt2, a Zinc Transporter of Candida albicans. Biomolecules, 2022, 12, 121.	1.8	9

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73	Synthesis of spinacine and spinacine derivatives: crystal and molecular structures of N ¹ -hydroxymethyl spinacine and N ¹ -methyl spinaceamine. <i>Journal of Chemical Crystallography</i> , 1991, 27, 507-513.	0.5	8
74	Cu(II) coordination to His-containing linear peptides and related branched ones: Equalities and diversities. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 110980.	1.5	8
75	The N-terminal domain of <i>Helicobacter pylori</i> 's Hpn protein: The role of multiple histidine residues. <i>Journal of Inorganic Biochemistry</i> , 2021, 214, 111304.	1.5	8
76	Thermodynamic Stability and Speciation of Ga(III) and Zr(IV) Complexes with High-Denticity Hydroxamate Chelators. <i>Inorganic Chemistry</i> , 2021, 60, 13332-13347.	1.9	7
77	Aluminium-dependent human diseases and chelating properties of aluminium chelators for biomedical applications. , 2012, , 103-123.		7
78	Solute - solute - solvent interactions in dilute ternary aqueous solutions of urea and 1,3-propanediol. <i>Thermochimica Acta</i> , 1988, 137, 165-176.	1.2	6
79	Enthalpies of dilution of bifunctional alcohols in concentrated aqueous solutions of urea at 298.15 K. <i>Thermochimica Acta</i> , 1990, 162, 241-251.	1.2	6
80	AGHLDLPGALSAL: A hemoglobin fragment potentially competing with albumin to bind transition metal ions. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 301-310.	1.5	6
81	Investigation on the metal binding sites of a putative Zn(II) transporter in opportunistic yeast species <i>Candida albicans</i> . <i>New Journal of Chemistry</i> , 2018, 42, 8123-8130.	1.4	6
82	Chiral Ligand-Exchange Resolution of Underivatized Amino Acids on a Dynamically Modified Stationary Phase for RP-HPLC. <i>Chirality</i> , 2014, 26, 313-318.	1.3	5
83	Direct chiral resolution of underivatized amino acids on a stationary phase dynamically modified with the ion-exchanger N ¹ ,3-bis(decylamino)spinacine. <i>Journal of Separation Science</i> , 2015, 38, 894-900.		5
84	DOES hemopressin bind metal ions in vivo?. <i>Dalton Transactions</i> , 2016, 45, 18267-18280.	1.6	5
85	Chiral Ligand-Exchange Chromatography of Pharmaceutical Compounds on Dynamically Coated (Home-Made) Stationary Phases. <i>Current Medicinal Chemistry</i> , 2017, 24, 818-828.	1.2	5
86	Looking at new ligands for chelation therapy. <i>New Journal of Chemistry</i> , 2018, 42, 8021-8034.	1.4	3